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Key word index

Acetylcholine
AF102B; Muscarinic M_1 receptors; Hippocampus slices; Slow after-hyperpolarization (Segal, M. (220) 103)

Electrical field stimulation; Epithelium-derived acetylcholinesterase; EpDRF (epithelium-derived relaxing factor); Trachealis muscle (guinea-pig); Physostigmine (Koga, Y. (220) 141)

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Epithelium-derived acetylcholinesterase
Acetylcholine; Electrical field stimulation; EpDRF (epithelium-derived relaxing factor); Trachealis muscle (guinea-pig); Physostigmine (Koga, Y. (220) 141)

Erythrocytes
21-Aminosteroids; Antioxidants; Lipid peroxidation; Copper; Plasma (Fernandes, A.C. (220) 211)

Excitability
5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1C}/5-HT_2 receptors; Motoneurons; Spinal cord; (Slice) (Yamazaki, J. (220) 237)

Excitatory amino acid
Ca^{2+} channels; Dihydropyridines; NMDA (N-methyl-D-aspartate); Dopamine; Transmitter release; Mesencephalon (Chaudieu, I. (220) 203)

Excitatory amino acid receptor antagonists
Penile erection; Yawning; Apomorphine; Oxytocin; ACTH (adrenocorticotropin) (Melis, M.R. (220) 43)

Feeding behaviour
Interleukin; α-MSH (α-melanocyte-stimulating hormone) (Uehara, Y. (220) 119)

Forskolin
Acetylcholine; Nitric oxide (NO); Guanylyl cyclase; Adenylyl cyclase; 5-HT (5-hydroxytryptamine, serotonin); Prostacyclin; ANF (atrial natriuretic factor) (Heuzé-Joubert, I. (220) 161)

Functional antagonism
NECA (5'-N-ethylcarboxamidoadenosine); Isoproterenol; Nitric oxide (NO); Nitroglycerin; Sodium nitroprusside (Wiener, H.L. (220) 131)

GABA brain levels
Microdialysis; GABA uptake inhibitor; Anticonvulsants; Tiagabine; (Rat) (Fink-Jensen, A. (220) 197)

GABA (γ-aminobutyric acid)
Aminooxyacetic acid; Learning; Pentobarbital; Seizures; Substance P (Vécsei, L. (220) 259)

GABA receptor agonists
Cough; Citric acid; α_2-Adrenoceptor agonists; (Conscious guinea-pig) (Callaway, J.K. (220) 187)

GABA uptake inhibitor
Microdialysis; GABA brain levels; Anticonvulsants; Tiagabine; (Rat) (Fink-Jensen, A. (220) 197)

Gastrointestinal transit
THIP (tetrahydroisoxazolo-pyridin-3-ol); Muscimol; Neurotransmitters (Ramaswamy, S. (220) 147)

GBR-12783
Cocaine; [^{3}H]Methylphenidate; Stimulants; Dopamine transporters (Deutsch, H.M. (220) 173)

Glipizide
Somatostatin; Prolactin (Fosset, M. (220) 273)

cGMP
Dihydropyridine Ca^{2+} entry blocker; EDRF (endothelium-derived relaxing factor); Adrenergic nerve; Substance P; Mesenteric artery (Okamura, T. (220) 27)

G-protein
Angiotensin; Ion transport; Airway epithelium (Tamaoki, J. (220) 87)

Guanylyl cyclase
Acetylcholine; Nitric oxide (NO); Adenylyl cyclase; 5-HT (5-hydroxytryptamine, serotonin); Prostacyclin; Forskolin; ANF (atrial natriuretic factor) (Heuzé-Joubert, I. (220) 161)

HA1077
Cerebral vasospasm; Subarachnoid hemorrhage; Cerebral blood flow (Satoh, S.-i. (220) 243)

Heart (isolated)
Ca^{2+} channel antagonists; Ischaemia; Cardiac function (Manning, A. (220) 249)

Heart muscle preparations (isolated)
Doxorubicin; Adriamycin; Acetylcholine receptors; Antimuscarinic actions; [^{3}H]Quinuclidinyl benzilate (QNB) binding (Temma, K. (220) 63)

Hemodynamics
Pirsidomine; IS-5-MN (isosorbide-5-mononitrate); Tolerance; (Dog) (Bohn, H. (220) 71)

Hippocampus slices
AF102B; Acetylcholine; Muscarinic M_1 receptors; Slow after-hyperpolarization (Segal, M. (220) 103)

5-HT (5-hydroxytryptamine, serotonin)
Skeletal muscles; (Swine) (Gerdes, C. (220) 91)

Acetylcholine; Nitric oxide (NO); Guanylyl cyclase; Adenylyl cyclase; Prostacyclin; Forskolin; ANF (atrial natriuretic factor) (Heuzé-Joubert, I. (220) 161)

5-HT_{1C}/5-HT_2 receptors; Motoneurons; Excitability; Spinal cord; (Slice) (Yamazaki, J. (220) 237)

5-HT receptors
β-Adrenoceptor antagonists; 5-HT_{1A} receptors; Migraine; Pindolol; Propranolol; Tertatolol; (Pig) (Saxena, P.R. (220) 79)

5-HT_{1A} receptors
β-Adrenoceptor antagonists; 5-HT receptors; Migraine; Pindolol; Propranolol; Tertatolol; (Pig) (Saxena, P.R. (220) 79)

5-HT_{1C}/5-HT_2 receptors
5-HT (5-hydroxytryptamine, serotonin); Motoneurons; Excitability; Spinal cord; (Slice) (Yamazaki, J. (220) 237)

5-HT_2 receptors
MDMA (3,4-methylenedioxymethamphetamine); Amphetamine; Dopamine neurons (Schmidt, C.J. (220) 151)

Hydrochlorothiazide
Diuretics; Indapamide; Resistance vessels (Calder, J.A. (220) 19)

5-Hydroxydecanoate
Ischemia; Metabolic changes; Patch clamp; Ventricular cells (Notsu, T. (220) 35)

Hydroxylamine
Sodium nitroprusside; Neurotransmitter release (Lonart, G. (220) 271)

Hypersensitivity
Bradykinin; Desensitization (Martins, M.A. (220) 55)

Hypertension
Prostanoids; Ca^{2+} ionophore A23187; Endothelin; Prostanoid receptor blockers (Lin, L. (220) 49)

Indapamide
Diuretics; Hydrochlorothiazide; Resistance vessels (Calder, J.A. (220) 19)

Interleukin
α-MSH (α-melanocyte-stimulating hormone); Feeding behaviour (Uehara, Y. (220) 119)

[^{14}C]Iodoantipyrine
Cerebral energy metabolism; Cerebral blood flow; Methylxanthines; [^{14}C]2-Deoxyglucose (Schroeder, H. (220) 217)

Ion transport
Angiotensin; Airway epithelium; G-protein (Tamaoki, J. (220) 87)

Ischaemia
Ca^{2+} channel antagonists; Heart (isolated); Cardiac function (Manning, A. (220) 249)

Ischemia
Metabolic changes; Patch clamp; Ventricular cells; 5-Hydroxydecanoate (Notsu, T. (220) 35)

IS-5-MN (isosorbide-5-mononitrate)
Pirsidomine; Hemodynamics; Tolerance; (Dog) (Bohn, H. (220) 71)

Isoproterenol
NECA (5′-N-ethylcarboxamidoadenosine); Functional antagonism; Nitric oxide (NO); Nitroglycerin; Sodium nitroprusside (Wiener, H.L. (220) 131)

K^+ channels
Cardiac arrhythmia; Antiarrhythmic drugs (Gwilt, M. (220) 231)

Learning
Aminooxyacetic acid; GABA (γ-aminobutyric acid); Pentobarbital; Seizures; Substance P (Vécsei, L. (220) 259)

Lipid peroxidation
21-Aminosteroids; Antioxidants; Copper; Erythrocytes; Plasma (Fernandes, A.C. (220) 211)

MDMA (3,4-methylenedioxymethamphetamine)
Amphetamine; 5-HT_2 receptors; Dopamine neurons (Schmidt, C.J. (220) 151)

Memory
Protein kinase C: Amnesia; NMDA (N-methyl-D-aspartate); (Mouse) (Mathis, C. (220) 107)

Mesencephalon
Ca^{2+} channels; Dihydropyridines; NMDA (N-methyl-D-aspartate); Excitatory amino acid; Dopamine; Transmitter release (Chaudieu, I. (220) 203)

Mesenteric arterial bed
Adenosine; CGRP (calcitonin gene-related peptide); Sensory nerves (Rubino, A. (220) 95)

Mesenteric artery
Dihydropyridine Ca^{2+} entry blocker; EDRF (endothelium-derived relaxing factor); Adrenergic nerve; Substance P; cGMP (Okamura, T. (220) 27)

Metabolic changes
Ischemia; Patch clamp; Ventricular cells; 5-Hydroxydecanoate (Notsu, T. (220) 35)

[^{3}H]Methylphenidate
Cocaine; GBR-12783; Stimulants; Dopamine transporters (Deutsch, H.M. (220) 173)

Methylxanthines
Cerebral energy metabolism; Cerebral blood flow; [^{14}C]2-Deoxyglucose; [^{14}C]Iodoantipyrine (Schroeder, H. (220) 217)

Microdialysis
GABA brain levels; GABA uptake inhibitor; Anticonvulsants; Tiagabine; (Rat) (Fink-Jensen, A. (220) 197)

Migraine
β-Adrenoceptor antagonists; 5-HT receptors; 5-HT_{1A} receptors; Pindolol; Propranolol; Tertatolol; (Pig) (Saxena, P.R. (220) 79)

MK-801
Vestibular compensation; Ca^{2+} channels (Sansom, A.J. (220) 123)

Morphine
Analgesia; μ-Opioid receptors (Pick, C.G. (220) 275)

Motoneurons
5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1C}/5-HT_2 receptors; Excitability; Spinal cord; (Slice) (Yamazaki, J. (220) 237)

α-MSH (α-melanocyte-stimulating hormone)
Interleukin; Feeding behaviour (Uehara, Y. (220) 119)

Muscarinic M_1 receptors
AF102B; Acetylcholine; Hippocampus slices; Slow after-hyperpolarization (Segal, M. (220) 103)

Muscimol
Gastrointestinal transit; THIP (tetrahydroisoxazolo-pyridin-3-ol); Neurotransmitters (Ramaswamy, S. (220) 147)

NECA (5′-N-ethylcarboxamidoadenosine)
Functional antagonism; Isoproterenol; Nitric oxide (NO); Nitroglycerin; Sodium nitroprusside (Wiener, H.L. (220) 131)

Neuraminidase
Sialic acid; Tracheal contraction (Kai, H. (220) 181)

Neurotransmitter release
Hydroxylamine; Sodium nitroprusside (Lonart, G. (220) 271)

Neurotransmitters
Gastrointestinal transit; THIP (tetrahydroisoxazolo-pyridin-3-ol); Muscimol (Ramaswamy, S. (220) 147)

Nitric oxide (NO)
NECA (5′-N-ethylcarboxamidoadenosine); Functional antagonism; Isoproterenol; Nitroglycerin; Sodium nitroprusside (Wiener, H.L. (220) 131)

Acetylcholine; Guanylyl cyclase; Adenylyl cyclase; 5-HT (5-hydroxytryptamine, serotonin); Prostacyclin; Forskolin; ANF (atrial natriuretic factor) (Heuzé-Joubert, I. (220) 161)

Nitroglycerin
NECA (5′-N-ethylcarboxamidoadenosine); Functional antagonism; Isoproterenol; Nitric oxide (NO); Sodium nitroprusside (Wiener, H.L. (220) 131)

NMDA (N-methyl-D-aspartate)
Protein kinase C: Amnesia; Memory; (Mouse) (Mathis, C. (220) 107)

Ca^{2+} channels; Dihydropyridines; Excitatory amino acid; Dopamine; Transmitter release; Mesencephalon (Chaudieu, I. (220) 203)

μ-Opioid receptors
Morphine; Analgesia (Pick, C.G. (220) 275)

Oxytocin
Penile erection; Yawning; Apomorphine; ACTH (adrenocorticotropin); Excitatory amino acid receptor antagonists (Melis, M.R. (220) 43)

Patch clamp
UMR 106 osteogenic cell line; Ca^{2+} channels; Dihydropyridines (Morain, P. (220) 11)

Ischemia; Metabolic changes; Ventricular cells; 5-Hydroxydecanoate (Notsu, T. (220) 35)

Penile erection
Yawning; Apomorphine; Oxytocin; ACTH (adrenocorticotropin); Excitatory amino acid receptor antagonists (Melis, M.R. (220) 43)

Pentobarbital
Aminooxyacetic acid; GABA (γ-aminobutyric acid); Learning; Seizures; Substance P (Vécsei, L. (220) 259)

Physostigmine
Acetylcholine; Electrical field stimulation; Epithelium-derived acetylcholinesterase; EpDRF (epithelium-derived relaxing factor); Trachealis muscle (guinea-pig) (Koga, Y. (220) 141)

Pindolol
β-Adrenoceptor antagonists; 5-HT receptors; 5-HT_{1A} receptors; Migraine; Propranolol; Tertatolol; (Pig) (Saxena, P.R. (220) 79)

Pirsidomine
IS-5-MN (isosorbide-5-mononitrate); Hemodynamics; Tolerance; (Dog) (Bohn, H. (220) 71)

Plasma
21-Aminosteroids; Antioxidants; Lipid peroxidation; Copper; Erythrocytes (Fernandes, A.C. (220) 211)

P_2 purinoceptors
Vas deferens; Suramin; Purinergic neurotransmission (Mallard, N. (220) 1)

Prolactin
Glipizide; Somatostatin (Fosset, M. (220) 273)

Propranolol
β-Adrenoceptor antagonists; 5-HT receptors; 5-HT_{1A} receptors; Migraine; Pindolol; Tertatolol; (Pig) (Saxena, P.R. (220) 79)

Prostacyclin
Acetylcholine; Nitric oxide (NO); Guanylyl cyclase; Adenylyl cyclase; 5-HT (5-hydroxytryptamine, serotonin); Forskolin; ANF (atrial natriuretic factor) (Heuzé-Joubert, I. (220) 161)

Prostanoid receptor blockers
Hypertension; Prostanoids; Ca^{2+} ionophore A23187; Endothelin (Lin, L. (220) 49)

Prostanoids
Hypertension; Ca^{2+} ionophore A23187; Endothelin; Prostanoid receptor blockers (Lin, L. (220) 49)

Protein binding
Angiotensin II receptor antagonists; Antihypertensive agents; Renin-angiotensin system (Wong, P.C. (220) 267)

Protein kinase C
Vanadate; Uterus; Smooth muscle; Ca^{2+}; Ca^{2+}-free (Fukuzaki, A. (220) 99)

Protein kinase C: Amnesia
Memory; NMDA (N-methyl-D-aspartate); (Mouse) (Mathis, C. (220) 107)

Purinergic neurotransmission
Vas deferens; Suramin; P_2 purinoceptors (Mallard, N. (220) 1)

[^{3}H]Quinuclidinyl benzilate (QNB) binding
Doxorubicin; Adriamycin; Heart muscle preparations (isolated); Acetylcholine receptors; Antimuscarinic actions (Temma, K. (220) 63)

Renin-angiotensin system
Angiotensin II receptor antagonists; Antihypertensive agents; Protein binding (Wong, P.C. (220) 267)

Resistance vessels
Diuretics; Hydrochlorothiazide; Indapamide (Calder, J.A. (220) 19)

Seizures
Aminooxyacetic acid; GABA (γ-aminobutyric acid); Learning; Pentobarbital; Substance P (Vécsei, L. (220) 259)

Sensory nerves
Adenosine; CGRP (calcitonin gene-related peptide); Mesenteric arterial bed (Rubino, A. (220) 95)

Sialic acid
Neuraminidase; Tracheal contraction (Kai, H. (220) 181)

Skeletal muscles
5-HT (5-hydroxytryptamine, serotonin); (Swine) (Gerdes, C. (220) 91)

Slow after-hyperpolarization
AF102B; Acetylcholine; Muscarinic M_1 receptors; Hippocampus slices (Segal, M. (220) 103)

Smooth muscle
Vanadate; Uterus; Ca^{2+}; Ca^{2+}-free; Protein kinase C (Fukuzaki, A. (220) 99)

Sodium nitroprusside
NECA (5′-N-ethylcarboxamidoadenosine); Functional antagonism; Isoproterenol; Nitric oxide (NO); Nitroglycerin (Wiener, H.L. (220) 131)

Hydroxylamine; Neurotransmitter release (Lonart, G. (220) 271)

Somatostatin
Glipizide; Prolactin (Fosset, M. (220) 273)

Spantide
Spinal cord-skin preparation; C-fibre reflex; Capsaicin; Substance P; CGRP (calcitonin gene-related peptide) (Yanagisawa, M. (220) 111)

Spinal cord
5-HT (5-hydroxytryptamine, serotonin); 5-HT_{1C}/5-HT_2 receptors; Motoneurons; Excitability; (Slice) (Yamazaki, J. (220) 237)

Spinal cord-skin preparation
C-fibre reflex; Capsaicin; Substance P; Spantide; CGRP (calcitonin gene-related peptide) (Yanagisawa, M. (220) 111)

Stimulants
Cocaine; GBR-12783; [^{3}H]Methylphenidate; Dopamine transporters (Deutsch, H.M. (220) 173)

Subarachnoid hemorrhage
HA1077; Cerebral vasospasm; Cerebral blood flow (Satoh, S.-i. (220) 243)

Substance P
Dihydropyridine Ca^{2+} entry blocker; EDRF (endothelium-derived relaxing factor); Adrenergic nerve; Mesenteric artery; cGMP (Okamura, T. (220) 27)

Spinal cord-skin preparation; C-fibre reflex; Capsaicin; Spantide; CGRP (calcitonin gene-related peptide) (Yanagisawa, M. (220) 111)

Aminooxyacetic acid; GABA (γ-aminobutyric acid); Learning; Pentobarbital; Seizures (Vécsei, L. (220) 259)

Suramin
Vas deferens; Purinergic neurotransmission; P_2 purinoceptors (Mallard, N. (220) 1)

Tertatolol
β-Adrenoceptor antagonists; 5-HT receptors; 5-HT_{1A} receptors; Migraine; Pindolol; Propranolol; (Pig) (Saxena, P.R. (220) 79)

THIP (tetrahydroisoxazolo-pyridin-3-ol)
Gastrointestinal transit; Muscimol; Neurotransmitters (Ramaswamy, S. (220) 147)

Tiagabine
Microdialysis; GABA brain levels; GABA uptake inhibitor; Anticonvulsants; (Rat) (Fink-Jensen, A. (220) 197)

Tolerance
Pirsidomine; IS-5-MN (isosorbide-5-mononitrate); Hemodynamics; (Dog) (Bohn, H. (220) 71)

Tracheal contraction
Neuraminidase; Sialic acid (Kai, H. (220) 181)

Trachealis muscle (guinea-pig)
Acetylcholine; Electrical field stimulation; Epithelium-derived acetylcholinesterase; EpDRF (epithelium-derived relaxing factor); Physostigmine (Koga, Y. (220) 141)

Transmitter release
Ca^{2+} channels; Dihydropyridines; NMDA (N-methyl-D-aspartate); Excitatory amino acid; Dopamine; Mesencephalon (Chaudieu, I. (220) 203)

UMR 106 osteogenic cell line
Patch clamp; Ca^{2+} channels; Dihydropyridines (Morain, P. (220) 11)

Uterus
Vanadate; Smooth muscle; Ca^{2+}; Ca^{2+}-free; Protein kinase C (Fukuzaki, A. (220) 99)

Vanadate
Uterus; Smooth muscle; Ca^{2+}; Ca^{2+}-free; Protein kinase C (Fukuzaki, A. (220) 99)

Vas deferens
Suramin; Purinergic neurotransmission; P_2 purinoceptors (Mallard, N. (220) 1)

Vasoconstriction
Endothelin-1 analogues; Endothelin receptors; Vasodilatation (Filep, J.G. (220) 263)

Vasodilatation
Endothelin-1 analogues; Endothelin receptors; Vasoconstriction (Filep, J.G. (220) 263)

Ventricular cells
Ischemia; Metabolic changes; Patch clamp; 5-Hydroxydecanoate (Notsu, T. (220) 35)

Vestibular compensation
MK-801; Ca^{2+} channels (Sansom, A.J. (220) 123)

Yawning
Penile erection; Apomorphine; Oxytocin; ACTH (adrenocorticotropin); Excitatory amino acid receptor antagonists (Melis, M.R. (220) 43)